

CLAIMS:

What is claimed:

1. A method for providing device management in a logical
5 volume management system, comprising:
 receiving device information from a device driver
 for a device; and
 transforming the device into a logical disk based on
 the device information.
- 10 2. The method of claim 1, wherein the device is
transformed into the logical disk by a device manager
plug-in module.
- 15 3. The method of claim 1, further comprising:
 transforming the logical disk into a logical
partition.
- 20 4. The method of claim 3, wherein the logical disk is
transformed into the logical partition by a partition
manager plug-in module.
5. The method of claim 3, further comprising:
 constructing a volume group from the logical
25 partition.
6. The method of claim 5, wherein the volume group is
constructed by a volume group emulator plug-in module.
- 30 7. The method of claim 3, further comprising:
 creating a logical volume from the logical
partition.

8.The method of claim 7, wherein the logical volume is created by a feature plug-in module.

- 5 9.The method of claim 7, further comprising:
exporting the logical volume.

10.An apparatus for providing device management in a logical volume management system, comprising:

- 10 receipt means for receiving device information from a device driver for a device; and

logical disk means for transforming the device into a logical disk based on the device information.

- 15 11.The apparatus of claim 10, wherein the logical disk means comprises a device manager plug-in module.

12.The apparatus of claim 10, further comprising:

- 20 logical partition means for transforming the logical disk into a logical partition.

13.The apparatus of claim 12, wherein the logical partition means comprises a partition manager plug-in module.

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14.The apparatus of claim 12, further comprising:

volume group means for constructing a volume group from the logical partition.

- 30 15.The apparatus of claim 14, wherein the volume group means comprises a volume group emulator plug-in module.

16.The apparatus of claim 12, further comprising:

logical volume means for creating a logical volume
from the logical partition.

- 5 17.The apparatus of claim 16, wherein the logical volume
means comprises a feature plug-in module.

18.The apparatus of claim 16, further comprising:

export means for exporting the logical volume.

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19.A computer program product, in a computer readable
medium, for providing device management in a logical
volume management system, comprising:

- 15 instructions for receiving device information from a
device driver for a device; and
instructions for transforming the device into a
logical disk based on the device information.

- 20 20.The computer program product of claim 19, wherein the
instructions for transforming the device into a logical
disk comprise a device manager plug-in module.